

SEQUENCE LISTING

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 Folkerts, Otto
 Smith, Kelley A
 Hopkins, Nicole L

<120> MAIZE MIP SYNTHASE PROMOTER

<130> 50597

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<150> US 60/168,612

<151> 1999-12-02

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

<211> 1959

<212> DNA

<213> Zea mays

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<221> CDS

<222> (137)..(1699)

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agggaattaa ggcaag atg ttc atc gag agc ttc cgc gtc gag agc ccc cac 172
      Met Phe Ile Glu Ser Phe Arg Val Glu Ser Pro His
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Val Arg Tyr Gly Pro Thr Glu Ile Glu Ser Glu Tyr Arg Tyr Asp Thr
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Thr Glu Leu Val His Glu Ala Lys Asp Gly Ala Ser Arg Trp Val Val
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cgc ccc aag tcc gtc aag tac aac ttc cgg acc agc acc gcg gtc ccc 316
Arg Pro Lys Ser Val Lys Tyr Asn Phe Arg Thr Ser Thr Ala Val Pro
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[illegible]

001021-0292260

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cct caa aca ttc agg tcc aag gag atc tcc aag agc aac gtg gtg gat			1228
Pro Gln Thr Phe Arg Ser Lys Glu Ile Ser Lys Ser Asn Val Val Asp			
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gac atg gtc tca agc aat gcc att ctc tat ggg ccc ggc gag cat ccc			1276
Asp Met Val Ser Ser Asn Ala Ile Leu Tyr Gly Pro Gly Glu His Pro			
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gat cat gtt gtt gtc atc aag tat gtg ccg tat gtg gga gac agt aag			1324
Asp His Val Val Val Ile Lys Tyr Val Pro Tyr Val Gly Asp Ser Lys			
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agg gct atg gac gag tac aca tca gag atc ttc atg ggc ggc aag agc			1372
Arg Ala Met Asp Glu Tyr Thr Ser Glu Ile Phe Met Gly Gly Lys Ser			
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acc atc gtg ctg cac aac acc tgc gag gac tgc ctc ctc gcc gca ccg			1420
Thr Ile Val Leu His Asn Thr Cys Glu Asp Ser Leu Leu Ala Ala Pro			
415	420	425	
atc atc ctc gat ctg gtg ctc ctg gct gag ctc agc acc agg atc cag			1468
Ile Ile Leu Asp Leu Val Leu Leu Ala Glu Leu Ser Thr Arg Ile Gln			
430	435	440	
tta aaa cct gag gga acg gac aag ttc cac tcc ttc cac ccg gtg gcc			1516
Leu Lys Pro Glu Gly Thr Asp Lys Phe His Ser Phe His Pro Val Ala			
445	450	455	460
acc atc ctt agc tac ctc acc aag gca cca ctg gtt cca ccc ggc aca			1564
Thr Ile Leu Ser Tyr Leu Thr Lys Ala Pro Leu Val Pro Pro Gly Thr			
465	470	475	
ccg gtg gtg aac gct ctt gca aag cag agg gcg atg ctg gag aac atc			1612
Pro Val Val Asn Ala Leu Ala Lys Gln Arg Ala Met Leu Glu Asn Ile			
480	485	490	
atg agg gct tgc gtt ggc ctg gcc cca gag aac aac atg atc ctg gag			1660
Met Arg Ala Cys Val Gly Leu Ala Pro Glu Asn Asn Met Ile Leu Glu			
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Tyr Lys			
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Val Lys Tyr Asn Phe Arg Thr Ser Thr Ala Val Pro Lys Leu Gly Val
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Met Leu Val Gly Trp Gly Gly Asn Asn Gly Ser Thr Leu Thr Ala Gly
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Val Ile Ala Asn Arg Glu Gly Ile Ser Trp Ala Thr Lys Asp Lys Val
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Gln Gln Ala Asn Tyr Tyr Gly Ser Leu Thr Gln Ala Ser Thr Ile Arg
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Val Gly Ser Tyr Asn Gly Glu Glu Ile Tyr Ala Pro Phe Lys Ser Leu
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Arg Ala Asn Asn Val Ile Lys Gly Thr Lys Lys Glu Gln Val Glu Gln
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Ala Gly Leu Asn Asp Thr Met Glu Asn Leu Leu Ala Ser Val Asp Lys
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Asn Glu Ala Glu Ile Ser Pro Ser Thr Leu Tyr Ala Ile Ala Cys Val
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Thr Glu Gly Val Pro Phe Ile Asn Gly Ser Pro Gln Asn Thr Phe Val
275 280 285

Pro Gly Leu Ile Asp Leu Ala Ile Lys Asn Asn Cys Leu Ile Gly Gly

290	295	300
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Phe Leu Val Gly Ala Gly Ile Lys Pro Thr Ser Ile Val Ser Tyr Asn 325 330 335		
His Leu Gly Asn Asn Asp Gly Met Asn Leu Ser Ala Pro Gln Thr Phe 340 345 350		
Arg Ser Lys Glu Ile Ser Lys Ser Asn Val Val Asp Asp Met Val Ser 355 360 365		
Ser Asn Ala Ile Leu Tyr Gly Pro Gly Glu His Pro Asp His Val Val 370 375 380		
Val Ile Lys Tyr Val Pro Tyr Val Gly Asp Ser Lys Arg Ala Met Asp 385 390 395 400		
Glu Tyr Thr Ser Glu Ile Phe Met Gly Gly Lys Ser Thr Ile Val Leu 405 410 415		
His Asn Thr Cys Glu Asp Ser Leu Leu Ala Ala Pro Ile Ile Leu Asp 420 425 430		
Leu Val Leu Leu Ala Glu Leu Ser Thr Arg Ile Gln Leu Lys Pro Glu 435 440 445		
Gly Thr Asp Lys Phe His Ser Phe His Pro Val Ala Thr Ile Leu Ser 450 455 460		
Tyr Leu Thr Lys Ala Pro Leu Val Pro Pro Gly Thr Pro Val Val Asn 465 470 475 480		
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